

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

U.S. PATENT DOCUMENTS					
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US 5,273,038	12-28-1993	Beavin, et al.	
	2.	US 5,556,762	09-17-1996	Pinilla, et al.	
	3.	US 5,639,949	06-17-1997	Ligon, et al.	
	4.	US 5,914,891	06-22-1999	Arkin et al.	
	5.	US 5,947,899	09-07-1999	Scollan, et al.	
	6.	US 6,132,969	10-17-2000	Stoughton, et al.	
	7.	US 6,165,709	12-26-2000	Friend, et al.	
	8.	US 6,200,803	03-13-2001	Roberts	
	9.	US 6,221,597	04-24-2001	Roberts	
	10.	US 6,302,302	10-16-2001	Albisetti	
	11.	US 6,326,140	12-04-2001	Rine, et al.	
	12.	US 6,329,139	12-11-2001	Nova, et al.	
	13.	US 6,351,712	02-26-2002	Stoughton, et al.	
	14.	US 6,370,478	04-09-2002	Stoughton, et al.	
	15.	US 6,379,964	04-30-2002	Del Cardayre	
	16.	US 6,902,692	10-24-2006	Palsson, et al.	
	17.	US 6,983,227	01-03-2006	Thalhammer-Reyero	
	18.	US 7,127,379	10-24-2006	Palsson, et al.	
	19.	US 2002/0012939	01-31-2002	Palsson, et al.	
	20.	US 2002/0051998	05-02-2002	Schmidt, et al.	
	21.	US 2003/0113761	06-19-2003	Tan, et al.	
	22.	US 2003/0224363	12-04-2003	Park, et al.	
	23.	US 2004/0009466	01-15-2004	Maranas, et al.	
	24.	US 2004/0029149	02-12-2004	Palsson, et al.	
	25.	US 2004/0072723	12-04-2003	Park, et al.	
	26.	US 2006/0147899	07-06-2006	Famili, et al.	
	27.	US 2007/0111294	05-17-2007	Burgard, et al.	
	28.	US 2008/0176327	07-24-2008	Palsson, et al.	

EXAMINER WESTV21879336.1 328342-000066	DATE CONSIDERED
---	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	DATE	COUNTRY	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes No
	29.	WO 1992/09300	06-11-1992	Iterex Pharmaceuticals Ltd. Partnership		
	30.	WO 2001/36658	05-25-2001	Engel, et al.		
	31.	WO 2001/57775	08-09-2001	Physiome Sciences		
	32.	WO 2002/055995	07-18-2002	Penn State Research Foundation		
	33.	WO 2002/061115	08-08-2002	Palsson, et al.		
	34.	WO 2003/106998	12-24-2003	Genomataca		
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
	35.	Adamowicz, et al., "Nutritional complementation of oxidative glucose metabolism in Escherichia coli via pyrroloquinoline quinone-dependent glucose dehydrogenase and the Entner-Doudoroff pathway," <i>Appl. Environ. Microbiol.</i> 57(7):2012-2015 (1991).				
	36.	Akutsu, "Estimation Algorithm of Genetic Network," <i>Mathematical Science (Suri-Kagaku) Science</i> 37(6):40-46 (1999).				
	37.	Alm, et al., "Genomic-sequence comparison of two unrelated isolates of the human gastric pathogen <i>Helicobacter pylori</i> ," <i>Nature</i> 397(6715):176-80 (Jan 1999).				
	38.	Alon, et al., "Broad patterns of gene expression revealed by clustering analysis of tumor and normal colon tissues probed by oligonucleotide arrays," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 96(12):6745-6750 (1999).				
	39.	Altschul, et al., "Gapped BLAST and PSI-BLAST: A New Generation of Protein Database Search Programs," <i>Nucl. Acids. Res.</i> 25(17):3389-3402 (1997).				
	40.	Alter, et al., "Singular value decomposition for genome-wide expression data processing and modeling," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 97(18):10101-10106 (2000).				
	41.	Alves, et al., "Systemic properties of ensembles of metabolic networks: application of graphical and statistical methods to simple unbranched pathways," <i>Bioinformatics</i> 16(6):534-547 (2000).				

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
---	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

42.	Andre, "An overview of membrane transport proteins in <i>Saccharomyces cerevisiae</i> ," <i>Yeast</i> 11(16):1575-1611 (1995).	
43.	Anonymous, "The yeast genome directory" <i>Nature</i> 387(6632 Suppl):5 (1997).	
44.	Appel, et al., "A new generation of information retrieval tools for biologists: the example of the ExPASy WWW server," <i>Trends Biochem. Sci.</i> 19(6):258-260 (1994).	
45.	Arigoni, et al., "A Genome-Based Approach for the Identification of Essential Bacterial Genes," <i>Nature Biotechnol.</i> 16(9):851-856 (1998).	
46.	Aristidou and Penttila, "Metabolic engineering applications to renewable resource utilization," <i>Curr. Opin. Biotechnol.</i> 11(2):187-198 (2000).	
47.	Attanoos, et al., "Ileostomy polyps, adenomas, and adenocarcinomas," <i>Gut</i> , 37(6):840-844 (1995).	
48.	Baba, et al., "Construction of <i>Escherichia coli</i> K-12 in-frame, single-gene knockout mutants: the Keio collection," <i>Mol. Syst. Biol.</i> 2:2006-2008 (2006).	
49.	Bailey, "Complex Biology With No Parameters," <i>Nat. Biotechnol.</i> 19(6):503-504 (2001).	
50.	Bailey and Elkan, "Fitting a mixture model by expectation maximization to discover motifs in biopolymers," <i>Proc. Int. Conf. Intell. Syst. Mol. Biol.</i> 2:28-36 (1994).	
51.	Bairoch and Apweiler, "The SWISS-PROT Protein Sequence database and its supplement TrEMBL in 2000," <i>Nucleic Acids Res.</i> 28(1):45-48 (2000).	
52.	Bail, et al., "Integrating functional genomic information into the <i>Saccharomyces</i> genome database," <i>Nucleic Acids Res.</i> 28(1):77-80 (2000).	
53.	Baltz, et al., "DNA Sequence Sampling of the <i>Streptococcus Pneumonia</i> Genome to Identify Novel Targets for Antibiotic Development," <i>Microbial. Drug Resist.</i> 4(1):1-9 (1998).	
54.	Ban, et al., "Thymine and uracil catabolism in <i>Escherichia coli</i> ," <i>J. Gen. Microbiol.</i> 73(2):267-272 (1972).	
55.	Bansal, "Integrating co-regulated gene-groups and pair-wise genome comparisons to automate reconstruction of microbial pathways," <i>Bioinformatics and Bioengineering Conference</i> 209-216 (2001).	
56.	Bard, et al., "Sterol mutants of <i>Saccharomyces cerevisiae</i> : chromatographic analyses," <i>Lipids</i> 12(8):645-654 (1977).	
57.	Baxevasis, "The Molecular Biology Database Collection: 2002 update," <i>Nucleic Acids Res.</i> 30:1-12 (2002).	
58.	Beckers, et al., "Large-Scale Mutational Analysis for the Annotation of the Mouse Genome," <i>Curr. Opin. Chem. Biol.</i> 6(1):17-23 (2002).	
59.	Bell, et al., "Composition and functional analysis of the <i>Saccharomyces cerevisiae</i> trehalase synthase complex," <i>J. Biol. Chem.</i> 273(50):33311-33319 (1998).	
60.	Benjamini and Hochberg, "Controlling the False Discovery Rate: A Practical and Powerful Approach to Multiple Testing," <i>J.R. Statist. Soc. B</i> 57:289-300 (1995).	
61.	Benson, et al., "GenBank," <i>Nucleic Acids Res.</i> 28(1):15-18 (2000).	
62.	Berry, "Improving production of aromatic compounds in <i>Escherichia coli</i> by metabolic engineering," <i>Trends Biotechnol.</i> 14(7):250-256 (1996).	

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
--	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

	63.	Bialy, "Living on the Edges," <i>Nat. Biotechnol.</i> 19(2):111-112 (2001).	
	64.	Bianchi and Zanella, <i>Blood Cells, Molecules, and Diseases</i> 15:47-53 (2000).	
	65.	Biaudet, et al., "Micado - a network-oriented database for microbial genomes," <i>Comput. Appl. Bioscience</i> 13(4):431-438 (1997).	
	66.	Birkholz, "Fumarate reductase of <i>Helicobacter pylori</i> --an immunogenic protein," <i>J. Med. Microbiol.</i> 41(1):56-62 (1994).	
	67.	Birner, et al., "Roles of phosphatidylethanolamine and of its several biosynthetic pathways in <i>Saccharomyces cerevisiae</i> ," <i>Mol. Biol. Cell.</i> 12(4):997-1007 (2001).	
	68.	Blackstock and Weir, "Proteomics: quantitative and physical mapping of cellular proteins," <i>Trends Biotechnol.</i> 17(3):121-127 (1999).	
	69.	Blattner, et al., "The Complete Genome Sequence of <i>Escherichia coli</i> K-12," <i>Science</i> 277(5331):1453-1474 (Sep 1997).	
	70.	Bochner, "New technologies to assess genotype-phenotype relationships," <i>Nat. Rev. Genet.</i> 4(4):309-314 (2003).	
	71.	Boles, et al., "A family of hexosephosphate mutases in <i>Saccharomyces cerevisiae</i> ," <i>Eur. J. Biochem.</i> 220(1):83-96 (1994).	
	72.	Boles, et al., "Characterization of a glucose-repressed pyruvate kinase (Pyk2p) in <i>Saccharomyces cerevisiae</i> that is catalytically insensitive to fructose-1,6-bisphosphate," <i>J. Bacteriol.</i> 179(9):2987-2993 (1997).	
	73.	Boles, et al., "Identification and characterization of MAE 1, the <i>Saccharomyces cerevisiae</i> structural gene encoding mitochondrial malic enzyme," <i>J. Bacteriol.</i> 180(11):2875-2882 (1998).	
	74.	Bonarius, et al., "Flux Analysis of Underdetermined Metabolic Networks: The Quest for the Missing Constraints," <i>Trends Biotechnol.</i> 15(8):308-314 (1997).	
	75.	Bonarius, et al., "Metabolic flux analysis of hybridoma cells in different culture media using mass balances," <i>Biotechnol. Bioeng.</i> 50(3):299-318 (1996).	
	76.	Bono, et al., "Reconstruction of amino acid biosynthesis pathways from the complete genome sequence," <i>Genome Res.</i> 8(3):203-210 (1998).	
	77.	Bottomley, et al., "Cloning, sequencing, expression, purification and preliminary characterization of a type II dehydroquinase from <i>Helicobacter pylori</i> ," <i>Biochem. J.</i> 319(Pt 2):559-565 (1996).	
	78.	Bourot and Karst, "Isolation and characterization of the <i>Saccharomyces cerevisiae</i> SUT1 gene involved in sterol uptake," <i>Gene</i> 165(1):97-102 (1995).	
	79.	Burgard and Maranas, "Probing the Performance Limits of the <i>Escherichia coli</i> Metabolic Network Subject to Gene Additions or Deletions," <i>Biotechnol. Bioeng.</i> 74(5):364-375 (2001).	
	80.	Burgard and Maranas, "Review of the Enzymes and Metabolic Pathways (EMP) Database," <i>Metab. Eng.</i> 3(3):193-194(2) (2001).	
	81.	Burgard, et al., "Minimal reaction sets for <i>Escherichia coli</i> metabolism under different growth requirements and uptake environments," <i>Biotechnol. Prog.</i> 17(5):791-797 (2001).	

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
--	--------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

82.	Burgard, et al., "Optknock: a bilevel programming framework for identifying gene knockout strategies for microbial strain optimization," <i>Biotechnol. Bioeng.</i> 84(6):647-657 (2003).	
83.	Burns, "Acetyl-CoA carboxylase activity in <i>Helicobacter pylori</i> and the requirement of increased CO2 for growth," <i>Microbiology</i> 141(Pt 12):3113-3118 (1995).	
84.	Carrier and Keasling, "Investigating Autocatalytic Gene Expression Systems through Mechanistic Modeling," <i>J. Theor. Biol.</i> 201(1):25-36 (1999).	
85.	Chadha, et al., "Hybrid process for ethanol production from rice straw," <i>Acta Microbiol. Immunol. Hung.</i> 42(1):53-59 (1995).	
86.	Chadha, et al., "Simultaneous saccharification and fermentation of rice straw into ethanol," <i>Acta Microbiol. Immunol. Hung.</i> 42(1):71-75 (1995).	
87.	Chalker, et al., "Systematic identification of selective essential genes in <i>Helicobacter pylori</i> by genome prioritization and allelic replacement mutagenesis," <i>J. Bacteriol.</i> 183(4):1259-1268 (2001).	
88.	Chartrain, et al., "Metabolic engineering and directed evolution for the production of pharmaceuticals," <i>Curr. Opin. Biotech.</i> 11(2):209-214 (2000).	
89.	Chen, et al., "Characterization of the respiratory chain of <i>Helicobacter pylori</i> ," <i>FEMS Immunol. Med. Microbiol.</i> 24(2):169-174 (1999).	
90.	Cherry, et al., "SGD: <i>Saccharomyces</i> Genome Database," <i>Nucleic Acids Res.</i> 26(1):73-79 (1998).	
91.	Christensen and Nielsen, "Metabolic network analysis. A powerful tool in metabolic engineering," <i>Adv. Biochem. Eng. Biotechnol.</i> 66:209-231 (2000).	
92.	Ciriacy and Breitenbach, "Physiological effects of seven different blocks in glycolysis in <i>Saccharomyces cerevisiae</i> ," <i>J. Bacteriol.</i> 139(1):152-160 (1979).	
93.	Clarke, "Stability of Complex Reaction Networks," <i>Adv. Chem. Phys.</i> 43:1-125 (1980).	
94.	Clarke, "Complete set of steady states for the general stoichiometric dynamical system," <i>J. Chem. Phys.</i> 75(10):4970-4979 (1981).	
95.	Clarke, "Stoichiometric network analysis," <i>Cell Biophys.</i> 12:237-253 (1988).	
96.	Clifton and Fraenkel, "Mutant studies of yeast phosphofructokinase," <i>Biochemistry</i> 21(8):1935-1942 (1982).	
97.	Clifton, et al., "Glycolysis mutants in <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> 88(1):1-11 (1978).	
98.	Compan, et al., "Anaerobic activation of <i>arcA</i> transcription in <i>Escherichia coli</i> : roles of Fnr and ArcA," <i>Mol. Microbiol.</i> 11(5):955-964 (1994).	
99.	Costanzo, et al., "YPD, PombePD and WormPD: model organism volumes of the BioKnowledge library, an integrated resource for protein information," <i>Nucleic Acids Res.</i> 29(1):75-9 (2001).	
100.	Cotter, et al., "Aerobic regulation of cytochrome d oxidase (<i>cydAB</i>) operon expression in <i>Escherichia coli</i> : roles of Fnr and ArcA in repression and activation," <i>Mol. Microbiol.</i> 25(3):605-615 (1997).	

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
---	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

101.	Cover and Blaser, "Helicobacter pylori infection, a paradigm for chronic mucosal inflammation: pathogenesis and implications for eradication and prevention," <i>Adv. Intern. Med.</i> 41:85-117 (1996).	
102.	Covert and Palsson, "Constraints-based models: Regulation of Gene Expression Reduces the Steady-state Solution Space," <i>J. Theor. Biol.</i> 216 (2003).	
103.	Covert and Palsson, "Transcriptional Regulation in Constraints-based Metabolic Models of <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 277(31):28058-28064 (2002).	
104.	Cupp and McAllister-Henn, "Cloning and Characterization of the gene encoding the IDH1 subunit of NAD(+) dependent isocitrate dehydrogenase from <i>Saccharomyces cerevisiae</i> ," <i>J. Biol. Chem.</i> 267(23):16417-16423 (1992).	
105.	D'Haeseleer, et al., "Genetic network inference: from co-expression clustering to reverse engineering," <i>Bioinformatics</i> , 16(8):707-726 (2000).	
106.	Dafae, et al., "In Silico Knowledge Discovery Biomedical databases," Proceedings of the SPIE Fifth Workshop on Neural Networks, San Francisco, November 7-10, 1993.	
107.	Danchin, "Comparison Between the <i>Escherichia coli</i> and <i>Bacillus subtilis</i> Genomes Suggests That a Major Function of Polynucleotide Phosphorylase Is to Synthesize CDP," <i>DNA Res.</i> 4(1):9-18 (Feb 1997).	
108.	Dandekar, et al., "Pathway Alignment: Application to the Comparative Analysis of Glycolytic Enzymes," <i>Biochem. J.</i> 343:115-124 (1999).	
109.	Dantigny, et al., "Transition rate kinetics from ethanol oxidation to glucose utilisation within a structured model of baker's yeast," <i>Appl. Microbiol. Biotechnol.</i> 36:352-357 (1991).	
110.	Datsenko and Wanner, "One-step inactivation of chromosomal genes in <i>Escherichia coli</i> K-12 using PCR products," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 97(12):6640-6645 (2000).	
111.	Daum, et al., "Biochemistry, cell biology and molecular biology of lipids of <i>Saccharomyces cerevisiae</i> ," <i>Yeast</i> 14(16):1471-1510 (1998).	
112.	Daum, et al., "Systematic analysis of yeast strains with possible defects in lipid metabolism," <i>Yeast</i> 15(7):601-614 (1999).	
113.	Dauner and Sauer, "Stoichiometric Growth Model for Riboflavin-Producing <i>Bacillus subtilis</i> ," <i>Biotechnol. Bioeng.</i> 76(1):132-143 (2001).	
114.	Dauner, et al., " <i>Bacillus subtilis</i> Metabolism and Energetics in Carbon-Limited and Excess-Carbon Chemostat Culture," <i>J. Bacteriol.</i> 183(24):7308-7317 (2001).	
115.	Dauner, et al., "Metabolic Flux Analysis with a Comprehensive Isotopomer Model in <i>Bacillus subtilis</i> ," <i>Biotechnol. Bioeng.</i> 76(2):144-156 (2001).	
116.	de Jong, "Modeling and simulation of genetic regulatory systems: a literature review," <i>J. Comput. Biol.</i> 9(1):67-103 (2002).	
117.	DeRisi, et al., "Use of cDNA microarray to analyse gene expression patterns in human cancer," <i>Nat. Gene.</i> 14:457-460 (1996).	
118.	De Reuse, et al., "The <i>Helicobacter pylori</i> ureC gene codes for a phosphoglucosamine mutase," <i>J. Bacteriol.</i> 179(11):3488-3493 (1997).	

EXAMINER WEST21879336.1 328342-00066	DATE CONSIDERED
--	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

119.	Delgado and Liao, "Identifying Rate-Controlling Enzymes in Metabolic Pathways without Kinetic Parameters," <i>Biotechnol. Prog.</i> 7:15-20 (1991).
120.	Demain, et al., "Cellulase, clostridia, and ethanol," <i>Microbio. Mol. Biol. Rev.</i> 69(1):124-154 (2005).
121.	Department of Energy, <i>Breaking the Biological Barriers to Cellulosic Ethanol</i> (2006).
122.	DeRisi, et al., "Exploring the Metabolic and Genetic Control of Gene Expression on a Genomic Scale," <i>Science</i> 278(5338):680-686 (1997).
123.	Devine, "The <i>Bacillus subtilis</i> Genome Project: Aims and Progress," <i>Trends Biotechnol.</i> 13(6):210-216 (1995).
124.	Dickson "Sphingolipid functions in <i>Saccharomyces cerevisiae</i> : comparison to mammals," <i>Annu. Rev. Biochem.</i> 67:27-48 (1998).
125.	Dickson, et al., "Serine palmitoyltransferase," <i>Methods Enzymol.</i> 311:3-9 (2000).
126.	DiRusso and Black, "Long-chain fatty acid transport in bacteria and yeast. Paradigms for defining the mechanism underlying this protein-mediated process," <i>Mol. Cell. Biochem.</i> 192(1-2):41-52 (1999).
127.	Dooley, et al., "An all D-amino acid opioid peptide with central analgesic activity from a combinatorial library," <i>Science</i> 266(5193):2019-2022 (1994).
128.	Duarte, et al., "Reconstruction and validation of <i>Saccharomyces cerevisiae</i> iND750, a fully compartmentalized genome-scale metabolic model," <i>Genome Res.</i> 14(7):1298-1309 (2004).
129.	Edwards and Palsson, "How Will Bioinformatics Influence Metabolic Engineering," <i>Biotechnol. Bioeng.</i> 58(2-3):162-169 (1998).
130.	Edwards, et al., "Characterizing Phenotypic Plasticity: A Phase Plane Analysis," <i>BMES/EMBS Conference, Proceedings of the First Joint</i> , Vol. 2, p. 1217 (1999).
131.	Edwards, et al., "Genomically Based Comparative Flux Balance Analysis of <i>Escherichia coli</i> and <i>Haemophilus influenza</i> ," Abstract of Papers, <i>Am. Chem. Soc.</i> 213(1-3):BIOT 50. San Francisco (Apr 13-17, 1997).
132.	Eisenberg, et al., "Protein Function in the Post-Genomic Era," <i>Nature</i> 405(6788):823-826 (2000).
133.	Eisen, et al., "Cluster analysis and display of genome-wide expression patterns," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 95:14863-14868 (1998).
134.	Ermolaeva, et al., "Prediction of Operons in Microbial Genomes," <i>Nucl. Acids Res.</i> 29(5):1216-1221 (2001).
135.	Everett, et al., "Pendred Syndrome is Caused by Mutations in a Putative Sulphate Transporter Gene (PDS)," <i>Nat. Genet.</i> 17:411-422 (1997).
136.	Feist and Palsson, "The growing scope of applications of genome-scale metabolic reconstructions using <i>Escherichia coli</i> ," <i>Natural Biotech.</i> 26(6):659-667 (2008).
137.	Fiehn, "Metabolomics--the link between genotypes and phenotypes," <i>Plant Mol. Biol.</i> 48(1-2):155-171 (2002).
138.	Finel, "Does NADH play a central role in energy metabolism in <i>Helicobacter pylori</i> ?" <i>Trends Biochem. Sci.</i> 23(11):412-413 (1998).

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
--	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

139.	Fiorelli, et al., "Chronic non-spherocytic haemolytic disorders associated with glucose-6-phosphate dehydrogenase variants," <i>Bailliere's Clinical Haematology</i> , 13:39-55 (2000).	
140.	Fleischmann, "Whole-genome random sequencing and assembly of <i>Haemophilus influenzae</i> Rd," <i>Science</i> 269(5223):496-512 (1995).	
141.	Flikweert, et al., "Pyruvate decarboxylase: an indispensable enzyme for growth of <i>Saccharomyces cerevisiae</i> on glucose," <i>Yeast</i> 12(3):247-257 (1996).	
142.	Fotheringham, "Engineering biosynthetic pathways: new routes to chiral amino acids," <i>Curr. Opin. Chem. Biol.</i> 4(1):120-124 (2000).	
143.	Forst, "Network genomics-- A Novel approach for the analysis of biological systems in the post-genomic era," <i>Mol. Biol. Rpts.</i> 29(3):265-280 (2002).	
144.	Forster, et al., "Large-scale evaluation of in silico gene deletions in <i>Saccharomyces cerevisiae</i> ," <i>Omics</i> 7(2):193-202 (2003).	
145.	Fraenkel, "The accumulation of glucose 6-phosphate from glucose and its effect in an <i>Escherichia coli</i> mutant lacking phosphoglucose isomerase and glucose 6-phosphate dehydrogenase," <i>J. Biol. Chem.</i> 243(24):6451-6457 (1968).	
146.	Fraser, et al., "Microbial genome sequencing," <i>Nature</i> 406:799-803 (2000).	
147.	Fromont-Racine, et al., "Toward a functional analysis of the yeast genome through exhaustive two-hybrid screens," <i>Nat. Genet.</i> 16(3):277-282 (1997).	
148.	Fukuchi, et al., "Isolation, overexpression and disruption of a <i>Saccharomyces cerevisiae</i> YNK gene encoding nucleoside diphosphate kinase," <i>Genes</i> 129(1):141-146 (1993).	
149.	Galperin and Brenner, "Using Metabolic Pathway Databases for Functional Annotation," <i>Trends Genet.</i> 14(8):332-333 (1998).	
150.	Gancedo and Delgado, "Isolation and characterization of a mutant from <i>Saccharomyces cerevisiae</i> lacking fructose 1,6-bisphosphatase," <i>Eur. J. Biochem.</i> 139:651-655 (1984).	
151.	Gangloff, et al., "Molecular cloning of the yeast mitochondrial aconitase gene (ACO1) and evidence of a synergistic regulation of expression by glucose plus glutamate," <i>Mol. Cell. Biol.</i> 10(7):3551-3561 (1990).	
152.	Gaasterland and Selkov, "Reconstruction of Metabolic Networks Using Incomplete Information," <i>Proc. Int. Conf. Intel. Syst. Mol. Biol.</i> 3:127-135 (1995).	
153.	Ge, et al., "Cloning and functional characterization of <i>Helicobacter pylori</i> fumarate reductase operon comprising three structural genes coding for subunits C, A and B," <i>Gene</i> 204(1-2):227-234 (1997).	
154.	Glasner, et al., "ASAP, a systematic annotation package for community analysis of genomes," <i>Nucleic Acids Res.</i> 31(1):147-151 (2003).	
155.	Goffeau, "Four years of post-genomic life with 6000 yeast genes," <i>FEBS Lett</i> 480(1):37-41 (2000).	
156.	Gombert and Nielsen, "Mathematical modeling of metabolism," <i>Curr. Opin. Biotechnol.</i> 11(2):180-186 (2000).	

EXAMINER WEST21879336.1 328342-00066	DATE CONSIDERED
--	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

157.	Goryanin, et al., "Mathematical simulation and analysis of cellular metabolism and regulation," <i>Bioinformatics</i> 15(9):749-758 (1999).
158.	Goto, et al., "LIGAND database for enzymes, compounds and reactions," <i>Nucleic Acids Res.</i> 27(1):377-379 (1999).
159.	Goto, et al., "LIGAND: chemical database for enzyme reactions," <i>Bioinformatics</i> 14(7):591-599 (1998).
160.	Griffin, et al., "Complementary profiling of gene expression at the transcriptome and proteome levels in <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell Proteomics</i> 1:323-333 (2002).
161.	Grundy, et al., "Regulation of the <i>Bacillus subtilis</i> acetate kinase gene by CcpA," <i>J. Bacteriol.</i> 175(22):7348-7355 (1993).
162.	Guardia, et al., "Cybernetic modeling and regulation of metabolic pathways in multiple steady states of hybridoma cells," <i>Biotech. Prog.</i> 16(5):847-853 (2000).
163.	Guelzim, et al., "Topological and causal structure of the yeast transcriptional regulatory network," <i>Nat. Genet.</i> 31(1):60-63 (2002).
164.	Guetsova, et al., "The isolation and characterization of <i>Saccharomyces cerevisiae</i> mutants that constitutively express purine biosynthetic genes," <i>Genetics</i> 147(2):383-397 (1997).
165.	Hardison, et al., "Globin Gene Server: A Prototype E-Mail Database Server Featuring Extensive Multiple Alignments and Data Compilation for Electronic Genetic Analysis," <i>Genomics</i> , 21(2):344-353 (1994).
166.	Hartig, et al., "Differentially regulated malate synthase genes participate in carbon and nitrogen metabolism of <i>S. cerevisiae</i> ," <i>Nucleic Acids Res.</i> 20(21):5677-5686 (1992).
167.	Hasty, et al., "Computational Studies of Gene Regulatory Networks: <i>In Numero Molecular Biology</i> ," <i>Nat. Rev. Genet.</i> 2(4):268-279 (2001).
168.	Hata, et al., "Characterization of a <i>Saccharomyces cerevisiae</i> mutant, N22, defective in ergosterol synthesis and preparation of [28-14C]ergosta-5,7-dien-3 beta-ol with the mutant," <i>J. Biochem.</i> 94(2):501-510 (1983).
169.	Hazell, et al., "How <i>Helicobacter pylori</i> works: an overview of the metabolism of <i>Helicobacter pylori</i> ," <i>Helicobacter</i> 2(1):1-12 (1997).
170.	Heijnen, et al., "Application of balancing methods in modeling the penicillin fermentation," <i>Microbiol. Biochem.</i> 21:1-48 (1979).
171.	Heinisch, et al., "Investigation of two yeast genes encoding putative isoenzymes of phosphoglycerate mutase," <i>Yeast</i> , 14(3):203-213 (1998).
172.	Heinrich, et al., "Metabolic regulation and mathematical models," <i>Prog. Biophys. Mol. Biol.</i> 32(1):1-82 (1977).
173.	Henriksen, et al., "Growth energetics and metabolism fluxes in continuous cultures of <i>Penicillium chrysogenum</i> ," <i>J. Biotechnol.</i> 45(2):149-164 (1996).
174.	Heyer, et al., "Exploring expression data: identification and analysis of coexpressed genes," <i>Genome Res.</i> 9(11):1106-1115 (1999).

WEST21879336.1 328342-000066	EXAMINER DATE CONSIDERED
---------------------------------	---

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

175.	Holter, et al., "Dynamic modeling of gene expression data," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 98(4):1693-1698 (2001).
176.	Holter, et al., "Fundamental patterns underlying gene expression profiles: simplicity from complexity," <i>Proc Natl Acad Sci U.S.A.</i> , 97:8409-9414 (2000).
177.	Houghten, "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery," <i>Nature</i> 354(6348):84-86 (1991).
178.	Hughes, et al., "Functional discovery via a compendium of expression profiles," <i>Cell</i> 102(1):109-126 (2000).
179.	Hughes, et al., "Helicobacter pylori porCDB and oodABC genes encode distinct pyruvate: flavodoxin and 2-oxoglutarate:acceptor oxidoreductases which mediate electron transport to NADP," <i>J. Bacteriol.</i> 180(5):1119-1128 (1998).
180.	Ideker, et al., "Integrated Genomic and Proteomic Analyses of a Systematically Perturbed Metabolic Network," <i>Science</i> 292(5518):929-934 (2001).
181.	Ince and Knowles, "Ethylene formation by cell-free extracts of <i>Escherichia coli</i> ," <i>Arch. Microbiol.</i> 146(2):151-158 (1986).
182.	Ishii, et al., "DBTBS: a database of <i>Bacillus subtilis</i> promoters and transcription factors," <i>Nucleic Acids Res.</i> 29(1):278-280 (2001).
183.	Iyer, et al., "Genomic binding sites of the yeast cell-cycle transcription factors SBF and MBF," <i>Nature</i> 409(6819):533-538 (2001).
184.	Jamshidi, et al., "Dynamic simulation of the human red blood cell metabolic network," <i>Bioinformatics</i> 17(3):286-287 (2001).
185.	Jamshidi, et al., "In silico model-driven assessment of the effects of single nucleotide polymorphisms (SNPs) on human red blood cell-metabolism," <i>Genome Res.</i> 12(11):1687-1692 (2002).
186.	Jenkins and Nunn, "Genetic and molecular characterization of the genes involved in short-chain fatty acid degradation in <i>Escherichia coli</i> : the ato system," <i>J. Bacteriol.</i> 169(1):42-52 (1987).
187.	Jenssen, et al., "A Literature Network of Human Genes for High-Throughput Analysis of Gene Expression," <i>Nat. Gene.</i> 28(1):21-28 (2001).
188.	Joshi and Palsson, "Metabolic dynamics in the human red cell. Part I--A comprehensive kinetic model," <i>J Theor Biol</i> 141(4):515-528 (1989).
189.	Jorgensen, et al., "Metabolic flux distributions in <i>Penicillium chrysogenum</i> during fed-batch cultivations," <i>Biotechnol. Bioeng.</i> 46(2):117-131 (1995).
190.	Juty, et al., "Simultaneous Modeling of Metabolic, Genetic, and Product-Interaction Networks," <i>Brief. Bioinform.</i> 2(3):223-232 (2001).
191.	Kanehisa and Goto, "Kyoto Encyclopedia of Genes and Genomes database (KEGG)," <i>Nucleic Acids Res.</i> 28(1):27-30 (2000).
192.	Karp, "Metabolic Databases," <i>Trends Biochem. Sci.</i> 23(3):114-116 (1998).
193.	Karp, et al., "Eco Cyc: encyclopedia of <i>Escherichia coli</i> genes and metabolism," <i>Nucleic Acids Res.</i> 27(1):55-58 (1999).
194.	Karp, et al., "Integrated pathway-genome databases and their role in drug discovery," <i>Trends Biotechnol.</i> 17(7):275-281 (1999).

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
--	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

**INFORMATION DISCLOSURE
CITATION IN AN
APPLICATION**

(PTO-1449)

ATTY. DOCKET NO.
UCSD1330-2
(066662-0023)

SERIAL NO.
10/087,441

APPLICANT
Palsson, Bernhard et al.

FILING DATE
March 1, 2002

GROUP
1631

195.	Karp, "An ontology for biological function based on molecular interactions," <i>Bioinformatics</i> 16(3):269-285 (2000).	
196.	Karp, et al., "HinCyc: A knowledge base of the complete genome and metabolic pathways of <i>H. influenzae</i> ," <i>Proc. Int. Conf. Intel. Syst. Mol. Biol.</i> 4:116-124 (1996).	
197.	Karp, et al., "The EcoCyc and MetaCyc databases," <i>Nucleic Acids Res.</i> 28(1):56-59 (2000).	
198.	Kather, et al., "Another unusual type of citric acid cycle enzyme in <i>Helicobacter pylori</i> : the malate:quinone oxidoreductase," <i>J. Bacteriol.</i> 182(11):3204-3209 (2000).	
199.	Kaufman, et al., "Towards a logical analysis of the immune response," <i>J. Theor. Biol.</i> 114(4):527-561 (1985).	
200.	Keating, et al., "An ethanologenic yeast exhibiting unusual metabolism in the fermentation of lignocellulosic hexose sugars," <i>J. Ind. Microbiol. Biotechnol.</i> 31(5):235-244 (2004).	
201.	Kelly, "The physiology and metabolism of the human gastric pathogen <i>Helicobacter pylori</i> ," <i>Adv. Microb. Physiol.</i> 40:137-189 (1998).	
202.	Kim, et al., " <i>Saccharomyces cerevisiae</i> contains two functional citrate synthase genes," <i>Mol. Cell Biol.</i> 6(6):1936-1942 (1986).	
203.	Kremling, et al., "The organization of metabolic reaction networks. III. Application for diauxic growth on glucose and lactose," <i>Metab. Eng.</i> 3(4):362-379 (2001).	
204.	Kunst and Devine, "The project of sequencing the entire <i>Bacillus subtilis</i> genome," <i>Res. Microb.</i> 142:905-912 (1991).	
205.	Kunst, et al., "The Complete Genome Sequence of the Gram-positive Bacterium <i>Bacillus subtilis</i> ," <i>Nature</i> 390(6557):249-256 (1997).	
206.	Lacroute, "Regulation of pyrimidine biosynthesis in <i>Saccharomyces cerevisiae</i> ," <i>J. Bacteriol.</i> 95(3):824-832 (1968).	
207.	Latif and Rajoka, "Production of ethanol and xylitol from corn cobs by yeasts," <i>Bioresour. Technol.</i> 77(1):57-63 (2001).	
208.	Lee, et al., "Incorporating qualitative knowledge in enzyme kinetic models using fuzzy logic," <i>Biotech. Bioeng.</i> 62(6):722-729 (1999).	
209.	Lendenmann and Egli, "Is <i>Escherichia coli</i> growing in glucose-limited chemostat culture able to utilize other sugars without lag?," <i>Microbiology</i> , 141(Pt 1):71-78 (1995).	
210.	Leyva-Vasquez and Setlow, "Cloning and nucleotide sequences of the genes encoding triose phosphate isomerase, phosphoglycerate mutase, and enolase from <i>Bacillus subtilis</i> ," <i>J. Bacteriol.</i> 176(13):3903-3910 (1994).	
211.	Li and Wong, "Model-based analysis of oligonucleotide arrays: expression index computation and outlier detection," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 98(1):31-36 (2001).	
212.	Liao and Oh, "Toward predicting metabolic fluxes in metabolically engineered strains," <i>Metab. Eng.</i> 1(3):214-223 (1999).	
213.	Link, et al., "Methods for generating precise deletions and insertions in the genome of wild-type <i>Escherichia coli</i> : Application to open reading frame characterization," <i>J. Bacteriol.</i> 179(20):6228-6237 (1997).	

EXAMINER

DATE CONSIDERED

WEST21879336.1
328342-000066

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Pallsen, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

214.	Loftus, et al., "Isolation, characterization, and disruption of the yeast gene encoding cytosolic NADP-specific isocitrate dehydrogenase," <u>Biochemistry</u> , 33(32):9661-9667 (1994).	
215.	Lopez, et al., "The yeast inositol monophosphatase is a lithium- and sodium-sensitive enzyme encoded by a non-essential gene pair," <u>Mol. Microbiol.</u> 31(4):1255-1264 (1999).	
216.	Lynd, et al., "Biocommodity Engineering," <u>Biotech. Prog.</u> 15:777-793 (1999).	
217.	Mahadevan and Schilling, "The effects of alternate optimal solutions in constraint-based genome-scale metabolic models," <u>Metab. Eng.</u> 5(4):264-276 (2003).	
218.	Maier, et al., "Hydrogen uptake hydrogenase in <i>Helicobacter pylori</i> ," <u>FEMS Microbiol. Lett.</u> 141(1):71-76 (1996).	
219.	Marcelli, et al., "The respiratory chain of <i>Helicobacter pylori</i> : Identification of cytochromes and the effects of oxygen on cytochrome and menaquinone levels," <u>FEMS Microbiol. Lett.</u> 138(1):59-64 (1996).	
220.	Marshall and Warren, "Unidentified curved bacilli in the stomach of patients with gastritis and peptic ulceration," <u>Lancet</u> , 1(8390):1311-1315 (1984).	
221.	McAdams and Arkin, "Simulation of Prokaryotic Genetic Circuits," <u>Ann. Rev. Biophysics Biomol. Structure</u> 27:199-224 (1998).	
222.	McAdams and Arkin, "It's a noisy business! Genetic regulation at the nanomolar scale," <u>Trends Genetics</u> 15(2):65-69 (1999).	
223.	McAdams and Arkin, "Stochastic mechanisms in gene expression," <u>Proc. Natl. Acad. Sci. U.S.A.</u> 94(3):814-819 (1997).	
224.	McAdams and Shapiro, "Circuit simulation of genetic networks," <u>Science</u> 269(5224):650-656 (1995).	
225.	McAllister-Henn, and Thompson, "Isolation and expression of the gene encoding yeast mitochondrial malate dehydrogenase," <u>J Bacteriol</u> 169(11):5157-5166 (1987).	
226.	McGee, "Helicobacter pylori rocF is required for arginase activity and acid protection in vitro but is not essential for colonization of mice or for urease activity," <u>J. Bacteriol.</u> 165(1):65-76 (1998).	
227.	Meldrum, "Automation for genomics, part one: preparation for sequencing," <u>Genome Res.</u> 10(8):1081-1092 (2000).	
228.	Mendes, et al., "Non-linear optimization of biochemical pathways: Applications to metabolic engineering and parameter estimation," <u>Bioinformatics</u> , 14(10):869-883 (1998).	
229.	Mendz and Hazell "Aminoacid utilization by <i>Helicobacter pylori</i> ," <u>Int. J. Biochem. Cell Biol.</u> 27(10):1085-1093 (1995).	
230.	Mendz and Hazell, "Fumarate catabolism in <i>Helicobacter pylori</i> ," <u>Biochem. Mol. Biol. Int.</u> 31(2):325-332 (1993).	
231.	Mendz and Hazell, "Glucose phosphorylation in <i>Helicobacter pylori</i> ," <u>Arch Biochem Biophys</u> 300(1):522-525 (1993).	
232.	Mendz, , et al., "Pyruvate metabolism in <i>Helicobacter pylori</i> ," <u>Arch Microbiol.</u> 162(3):187-192 (1994).	

WEST21879336.1 328342-000066	EXAMINER	DATE CONSIDERED
---------------------------------	-----------------	------------------------

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Pålsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

233.	Mendz, et al., "Glucose utilization and lactate production by <i>Helicobacter pylori</i> ," <u>J. Gen. Microbiol.</u> 139(12):3023-3028 (1993).	
234.	Mendz, et al., "Characterisation of glucose transport in <i>Helicobacter pylori</i> ," <u>Biochim. Biophys. Acta</u> 1244(2-3):269-276 (1995).	
235.	Mendz, et al., "Characterization of fumarate transport in <i>Helicobacter pylori</i> ," <u>J. Membr. Biol.</u> 165(1):65-76 (1998).	
236.	Mendz, et al., "De novo synthesis of pyrimidine nucleotides by <i>Helicobacter pylori</i> ," <u>J. Appl. Bacteriol.</u> 77(1):1-8 (1994).	
237.	Mendz, et al., "Fumarate reductase: a target for therapeutic intervention against <i>Helicobacter pylori</i> ," <u>Arch. Biochem. Biophys.</u> 321(1):153-159 (1995).	
238.	Mendz, et al., "In situ characterization of <i>Helicobacter pylori</i> arginase," <u>Biochim. Biophys. Acta</u> 1388(2):465-477 (1998).	
239.	Mendz, et al., "Purine metabolism and the microaerophily of <i>Helicobacter pylori</i> ," <u>Arch. Microbiol.</u> 168(6):448-456 (1997).	
240.	Mendz, et al., "Salvage synthesis of purine nucleotides by <i>Helicobacter pylori</i> ," <u>J. Appl. Bacteriol.</u> 77(6):674-681 (1994).	
241.	Mendz, et al., "The Entner-Doudoroff pathway in <i>Helicobacter pylori</i> ," <u>Arch. Biochem. Biophys.</u> 312(2):349-356 (1994).	
242.	Mewes, et al., "MIPS: A database for genomes and protein sequences," <u>Nucleic Acids Res.</u> 30(1):31-34 (2002).	
243.	Mitchell, "The GLN1 locus of <i>Saccharomyces cerevisiae</i> encodes glutamine synthetase," <u>Genetics</u> 111(2):243-258 (1985).	
244.	Moszer, "The Complete Genome of <i>Bacillus Subtilis</i> : From Sequence Annotation to Data Management and Analysis," <u>FEBS Lett.</u> 430(1-2):28-36 (1998).	
245.	Moszer, et al., "Subtilist: the reference database for the <i>Bacillus subtilis</i> genome," <u>Nucleic Acids Res</u> 30(1):62-65 (2002).	
246.	Mulquiney and Kuchel, "Model of 2,3-bisphosphoglycerate metabolism in the human erythrocyte based on detailed enzyme kinetic equations: computer simulation and metabolic control analysis," <u>Biochem. J.</u> 342(Pt 3):597-604 (1999).	
247.	Murray and Greenberg, "Expression of yeast INM1 encoding inositol monophosphatase is regulated by inositol, carbon source and growth stage and is decreased by lithium and valproate," <u>Mol Microbiol</u> 36(3):651-661 (2000).	
248.	Nedenskov, "Nutritional requirements for growth of <i>Helicobacter pylori</i> ," <u>Appl. Environ. Microbiol.</u> 60(9):3450-3453 (1994).	
249.	Nissen, et al., "Flux distributions in anaerobic, glucose-limited continuous cultures of <i>Saccharomyces cerevisiae</i> ," <u>Microbiology</u> 143(Pt 1):203-218 (1997).	
250.	Nissen, et al., "Expression of a cytoplasmic transhydrogenase in <i>Saccharomyces cerevisiae</i> results in formation of 2-oxoglutarate due to depletion of the NADPH pool," <u>Yeast</u> 18(1):19-32 (2001).	
251.	Ogasawara, "Systematic function analysis of <i>Bacillus subtilis</i> genes," <u>Res. Microbiol.</u> 151(2):129-134 (2000).	

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
--	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsso, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

252.	Ogata, et al., "KEGG: Kyoto Encyclopedia of Genes and Genomes," <i>Nucleic Acids Res.</i> 27(1):29-34 (1999).	
253.	Oh and Liao, "Gene expression profiling by DNA microarrays and metabolic fluxes in <i>Escherichia coli</i> ," <i>Biotech. Prog.</i> 16:278-286 (2000).	
254.	Olsson, et al., "Separate and simultaneous enzymatic hydrolysis and fermentation of wheat hemicellulose with recombinant xylose utilizing <i>Saccharomyces cerevisiae</i> ," <i>Appl. Biochem. Biotechnol.</i> 129-132:117-129 (2006).	
255.	Ostergaard, et al., "Increasing galactose consumption by <i>Saccharomyces cerevisiae</i> through metabolic engineering of the GAL gene regulatory network," <i>Nat. Biotech.</i> 18:1283-1286 (2000).	
256.	Otto, et al., "A mathematical model for the influence of fructose 6-phosphate, ATP, potassium, ammonium and magnesium on the phosphofructokinase from rat erythrocytes," <i>Eur. J. Biochem.</i> 49(1):169-178 (1974).	
257.	Ouzounis and Karp, "Global Properties of the Metabolic Map of <i>Escherichia coli</i> ," <i>Genome Res.</i> 10(4):568-576 (2000).	
258.	Overbeek, et al., "WIT: Integrated System for High-Throughput Genome Sequence Analysis and Metabolic Reconstruction" <i>Nucleic Acids Res.</i> 28(1):123-125 (2000).	
259.	Overkamp, et al., "In vivo analysis of the mechanisms for oxidation of cytosolic NADH by <i>Saccharomyces cerevisiae</i> mitochondria," <i>J. Bacteriol.</i> 182(10):2823-2830 (2000).	
260.	Ozcan, et al., "Glucose uptake and catabolite repression in dominant HTR1 mutants of <i>Saccharomyces cerevisiae</i> ," <i>J. Bacteriol.</i> 175(17):5520-5528 (1993).	
261.	Pallotta, et al., "Saccharomyces cerevisiae mitochondria can synthesize FMN and FAD from externally added riboflavin and export them to the extramitochondrial phase," <i>FEBS Lett.</i> 428(3):245-249 (1998).	
262.	Palmieri, et al., "Identification and functions of new transporters in yeast mitochondria," <i>Biochim. Biophys. Acta</i> 1459(2-3):363-369 (2000).	
263.	Palmieri, et al., "Identification of the yeast ACR1 gene product as a succinate-fumarate transporter essential for growth on ethanol or acetate," <i>FEBS Lett.</i> 417(1):114-118 (1997).	
264.	Palmieri, et al., "Identification of the yeast mitochondrial transporter for oxaloacetate and sulfate," <i>J. Biol. Chem.</i> 274(32):22184-22190 (1999).	
265.	Palmieri, et al., "Yeast mitochondrial carriers: bacterial expression, biochemical identification and metabolic significance," <i>J. Bioenerg. Biomem.</i> 32(1):67-77 (2000).	
266.	Palsso, "What Lies Beyond Bioinformatics," <i>Nat. Biotechnol.</i> 15:3-4 (1997).	
267.	Papin, et al., "The genome-scale metabolic extreme pathway structure in <i>Haemophilus influenzae</i> shows significant network redundancy," <i>J. Theor. Biol.</i> 215(1):67-82 (2002).	
268.	Parks, "Metabolism of sterols in yeast," <i>CRC Crit. Rev. Microbiol.</i> 6(4):301-341 (1978).	
269.	Parks, et al., "Use of sterol mutants as probes for sterol functions in the yeast, <i>Saccharomyces cerevisiae</i> ," <i>Crit. Rev. Biochem. Mol. Bio.</i> 34(6):399-404 (1999).	

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
---	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsso, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

270.	Patel and West, "Degradation of the pyrimidine bases uracil and thymine by <i>Escherichia coli</i> B" <i>Microbios</i> , 49(199):107-113 (1987).	
271.	Paulsen, et al., "Unified inventory of established and putative transporters encoded within the complete genome of <i>Saccharomyces cerevisiae</i> ," <i>FEBS Lett.</i> 430(1-2):116-125 (1998).	
272.	Pearson, et al., "Comparison of DNA Sequences With Protein Sequences," <i>Genomics</i> 46(1):24-36 (1997).	
273.	Pennisi, "Laboratory Workhouse Decoded," <i>Science</i> 277(5331):1432-1434 (1997).	
274.	Persson, et al., "Phosphate permeases of <i>Saccharomyces cerevisiae</i> : structure, function and regulation," <i>Biochim. Biophys. Acta</i> 1422(3):255-272 (1999).	
275.	Peterson, et al., "The Comprehensive Microbial Resource," <i>Nucleic Acids Res.</i> 29(1):123-125 (2001).	
276.	Pharkya, et al., "Exploring the overproduction of amino acids using the bilevel optimization framework OptKnock," <i>Biotechnol. Bioeng.</i> 84(7):887-899 (2003).	
277.	Phelps, et al., "Metabolomics and microarrays for improved understanding of phenotypic characteristics controlled by both genomics and environmental constraints," <i>Curr. Opin. Biotechnol.</i> 13(1):20-24 (2002).	
278.	Pieper and Reineke, "Engineering bacteria for bioremediation," <i>Curr. Opin. Biotech.</i> 11(3):262-270 (2000).	
279.	Pitson, et al., "The tricarboxylic acid cycle of <i>Helicobacter pylori</i> ," <i>Eur. J. Biochem.</i> 260(1):258-267 (1999).	
280.	Pramanik, J and Keasling, J, "Stoichiometric Model of <i>Escherichia coli</i> Metabolism: Incorporation of Growth-Rate Dependent Biomass Composition and Mechanistic Energy Requirements," <i>Biotechnol. Bioeng.</i> 56(4):398-421 (1997).	
281.	Price, et al., "Determination of redundancy and systems properties of the metabolic network of <i>Helicobacter pylori</i> using genome-scale extreme pathway analysis," <i>Genome Res.</i> 12(5):760-769 (2002).	
282.	Price, et al., "Genome-scale models of microbial cells: evaluating the consequences of constraints," <i>Nat. Rev. Microbiol.</i> 2(11):886-897 (2004).	
283.	Price, et al., "Network-based analysis of metabolic regulation in the human red blood cell," <i>J. Theor. Biol.</i> 225(2):185-194 (2003).	
284.	Przybyla-Zawislak, et al., "Genes of succinyl-CoA ligase from <i>Saccharomyces cerevisiae</i> ," <i>Eur. J. Biochem.</i> 258(2):736-743 (1998).	
285.	Qian, et al., "Ethanol production from dilute-Acid softwood hydrolysate by co-culture," <i>Appl. Biochem. Biotechnol.</i> 134(3):273-284 (2006).	
286.	Raclot et al., "Selective release of human adipocyte fatty acids according to molecular structure," <i>Biochem. J.</i> 324 (Pt3):911-915 (1997).	
287.	Rao and Arkin "Control motifs for intracellular regulatory networks," <i>Ann. Rev. Biomed. Eng.</i> 3:391-419 (2001).	
288.	Reed and Palsso, "Thirteen years of building constraint-based in silico models of <i>Escherichia coli</i> " <i>J. Bacteriol.</i> 185(9):2692-2699 (2003).	

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
--	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsso, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

289.	Reed, et al., "An expanded genome-scale model of Escherichia coli K-12 (iJR904 GSM/GPR)," <i>Genome Biol.</i> 4(9):R54 (2003).	
290.	Regenberg, et al., "Substrate specificity and gene expression of the amino-acid permeases in <i>Saccharomyces cerevisiae</i> ," <i>Curr. Genet.</i> 36(6):317-328 (1999).	
291.	Remize, et al., "Engineering of the pyruvate dehydrogenase bypass in <i>Saccharomyces cerevisiae</i> : role of the cytosolic Mg(2+) and mitochondrial K(+) acetaldehyde dehydrogenases Ald6p and Ald4p in acetate formation during alcoholic fermentation," <i>Appl. Environ. Microbiol.</i> 66(8):3151-3159 (2000).	
292.	Ren, et al., "Genome-wide location and function of DNA binding proteins," <i>Science</i> 290(5500):2306-2309 (2000).	
293.	Repetto and Tzagoloff, "In vivo assembly of yeast mitochondrial alpha-ketoglutarate dehydrogenase complex," <i>Mol. Cell. Biol.</i> 11(8):3931-3939 (Aug 1991).	
294.	Reynolds and Penn, "Characteristics of <i>Helicobacter pylori</i> growth in a defined medium and determination of its amino acid requirements," <i>Microbiology</i> 140(Pt 10):2649-2656 (1994).	
295.	Rhee, et al., "Activation of gene expression by a ligand-induced conformational change of a protein-DNA complex," <i>J. Biol. Chem.</i> 273(18):11257-11266 (1998).	
296.	Romero and Karp, "Nutrient-Related Analysis of Pathway/Genome Databases," <i>Pac. Symp. Biocomput.</i> 471-482 (2001).	
297.	Saier, "Genome sequencing and informatics: new tools for biochemical discoveries," <i>Plant Physiol.</i> 117(4):1129-1133 (1998).	
298.	Salgado, et al., <i>Nucleic Acids Res.</i> 29(1):72-74 (2001).	
299.	Salmon, et al., "Global gene expression profiling in <i>Escherichia coli</i> K12. The effects of oxygen availability and FNR," <i>J. Biol. Chem.</i> 278(32):29837-29855 (2003).	
300.	Sauer and Bailey, "Estimation of P-to-O Ratio in <i>Bacillus subtilis</i> and Its Influence on Maximum Riboflavin Yield," <i>Biotechnol. Bioeng.</i> 64(6):750-754 (1999).	
301.	Sauer, "Evolutionary Engineering of Industrially Important Microbial Phenotypes," <i>Adv. Biochem. Eng. Biotechnol.</i> 73:129-169 (2001).	
302.	Sauer, et al., "Metabolic Capacity of <i>Bacillus Subtilis</i> for the Production of Purine Nucleosides, Riboflavin, and Folic Acid," <i>Biotechnol. Bioeng.</i> 59(2):227-238 (1998).	
303.	Sauer, et al., "Metabolic flux ratio analysis of genetic and environmental modulations of <i>Escherichia coli</i> central carbon metabolism," <i>J. Bacteriol.</i> 181(21):6679-6688 (1999).	
304.	Savageau, "Biochemical systems analysis. I. Some mathematical properties of the rate law for the component enzymatic reactions," <i>J. Theor. Biol.</i> 25(3):365-369 (1969).	
305.	Savageau, "Development of fractal kinetic theory for enzyme-catalysed reactions and implications for the design of biochemical pathways," <i>Biosys.</i> 47(1-2):9-36 (1998).	
306.	Savinell and Palsso, "Network Analysis of Intermediary Metabolism using Linear Optimization. I. Development of Mathematical Formalism," <i>J. Theor. Biol.</i> 154:421-454 (1992).	

WEST21879336.1 328342-000066	EXAMINER	DATE CONSIDERED
---------------------------------	-----------------	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

	307.	Savinell and Palsson, "Network Analysis of Intermediary Metabolism using Linear Optimization. II. Interpretation of Hybridoma Cell Metabolism," <u>J. Theor. Biol.</u> 154:455-473 (1992).	
	308.	Schuster, et al., "Detection of elementary flux modes in biochemical networks: a promising tool for pathway analysis and metabolic engineering," <u>Trends Biotechnol.</u> 17(2):53-60 (1999).	
	309.	Schuster, et al., "A general definition of metabolic pathways useful for systematic organization and analysis of complex metabolic networks," <u>Nature Biotechnol.</u> 18(3):326-332 (2000).	
	310.	Schuster, et al., "Exploring the pathway structure of metabolism: decomposition into subnetworks and application to Mycoplasma pneumoniae," <u>Bioinformatics</u> 18(2):351-361 (2002).	
	311.	Schwikowski, et al., "A network of protein-protein interactions in yeast," <u>Nature Biotechnol.</u> 18(12):1257-1261 (2000).	
	312.	Scott, et al., "The Pendred Syndrome Gene Encodes a Chloride-Iodide Transport Protein," <u>Nat. Genet.</u> 21(4):440-443 (1999).	
	313.	Sedivy and Fraenkel, "Fructose bisphosphatase of <i>Saccharomyces cerevisiae</i> . Cloning, disruption and regulation of the FBP1 structural gene," <u>J. Mol. Biol.</u> 186(2):307-319 (1985).	
	314.	Selkov, et al., "The metabolic pathway collection from EMP: the enzymes and metabolic pathways database," <u>Nucleic Acids Res.</u> 24(1):26-28 (1996).	
	315.	Selkov, et al., "A reconstruction of the metabolism of <i>Methanococcus jannaschii</i> from sequence data," <u>Gene</u> , 197(1-2):GC11-26 (1997).	
	316.	Selkov, et al., "MPW: the metabolic pathways database," <u>Nucleic Acids Res.</u> 26(1):43-45 (1998).	
	317.	Selkov, et al., "Functional Analysis of Gapped Microbial Genomes: Amino Acid Metabolism of <i>Thiobacillus Ferrooxidans</i> ," <u>Proc. Nat. Acad. Sci. U.S.A.</u> , 97(7):3509-3514 (2000).	
	318.	Shen-Orr, et al., "Network motifs in the transcriptional regulation network of <i>Escherichia coli</i> ," <u>Nat. Genet.</u> 31(1):64-68 (2002).	
	319.	Sherlock, et al., "The physiology of L-methionine catabolism to the secondary metabolite ethylene by <i>Escherichia coli</i> ," <u>Curr. Opin. Immunol.</u> , 12:201-205 (2000).	
	320.	Shipston and Bunch, "The physiology of L-methionine catabolism to the secondary metabolite ethylene by <i>Escherichia coli</i> ," <u>J. Gen. Microbiol.</u> 135(6), 1489-1497 (1989).	
	321.	Silve, et al., "The immunosuppressant SR 31747 blocks cell proliferation by inhibiting a steroid isomerase in <i>Saccharomyces cerevisiae</i> ," <u>Mol. Cell. Biol.</u> 16(6):2719-2727 (1996).	
	322.	Skouloubris, et al., "The <i>Helicobacter pylori</i> UreI protein is not involved in urease activity but is essential for bacterial survival in vivo," <u>Infect. Immun.</u> 66(9):4517-4521 (1998).	
	323.	Smith, et al., "Functional analysis of the genes of yeast chromosome V by genetic footprinting," <u>Science</u> 274(5295):2069-2074 (1996).	

WEST21879336.1 328342-000066	EXAMINER	DATE CONSIDERED
---------------------------------	-----------------	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

324.	Somogyi and Sniegowski, "Modeling the complexity of genetic networks: understanding the multigenic and pleiotropic regulation," <u>Complexity</u> 1(6):45-63 (1996).	
325.	Sorlie, et al., "Gene expression patterns of breast carcinomas distinguish tumor subclasses with clinical implications," <u>Proc. Natl. Acad. Sci U.S.A.</u> , 98(19):10869-10874 (2001).	
326.	Stark, et al., "Amino acid utilisation and deamination of glutamine and asparagine by <i>Helicobacter pylori</i> ," <u>J. Med. Microbiol.</u> 46(9):793-800 (1997).	
327.	Stephanopoulos, "Metabolic engineering," <u>Curr. Opin. Biotechnol.</u> 5(2):196-200 (1994).	
328.	Stephanopoulos, "Metabolic Engineering," <u>Biotechnol. Bioeng.</u> 58(2-3):119-120 (1998).	
329.	Summers, et al., "Saccharomyces cerevisiae cho2 mutants are deficient in phospholipid methylation and cross-pathway regulation of inositol synthesis" <u>Genetics</u> , 120(4):909-922 (1988).	
330.	Swartz, "A PURE approach to constructive biology," <u>Nat. Biotechnol.</u> 19(8):732-733 (2001).	
331.	Syvanen, "Accessing genetic variation: Genotyping single nucleotide polymorphisms," <u>Nat. Rev. Genet.</u> 2(12):930-942 (Dec 2001).	
332.	Szambelan, et al., "Use of <i>Zymomonas mobilis</i> and <i>Saccharomyces cerevisiae</i> mixed with <i>Kluyveromyces fragilis</i> for improved ethanol production from Jerusalem artichoke tubers," <u>Biotechnol. Lett.</u> 26(10):845-848 (2004).	
333.	Tamayo, et al., "Interpreting patterns of gene expression with self-organizing maps: methods and application to hematopoietic differentiation," <u>Proc Natl Acad Sci U.S.A.</u> , 96(6):2907-2912 (1999).	
334.	Tanaka and Zerez, "Red cell enzymopathies of the glycolytic pathway," <u>Semin. Hematol.</u> 27(2):165-185 (1990).	
335.	Tandefnik, et al., "Modeling of biological neurons by artificial neural networks," Nineteenth Convention of Electrical and Electronics Engineers in Israel, Jerusalem, Israel, New York, NY USA, pages 239-242 (1996).	
336.	Taniguchi, M and Tanaka, T, "Clarification of interactions among microorganisms and development of co-culture system for production of useful substances," <u>Adv. Biochem. Eng. Biotechnol.</u> , 90:35-62 (2004).	
337.	Tao, et al., "Engineering a homo-ethanol pathway in <i>Escherichia coli</i> : increased glycolytic flux and levels of expression of glycolytic genes during xylose fermentation," <u>J. Bacteriol.</u> 183(10):2979-2988 (2001).	
338.	ter Linde, et al., "Genome-wide transcriptional analysis of aerobic and anaerobic chemostat cultures of <i>Saccharomyces cerevisiae</i> ," <u>J. Bacteriol.</u> 181(24):7409-7413 (Dec 1999).	
339.	Thieffry and Thomas, "Dynamical behavior of biological regulatory networks II. Immunity control in bacteriophage lambda," <u>Bull. Math Biol.</u> 57(2):277-297 (1995).	
340.	Thomas and Surdin-Kerjan, "Metabolism of sulfur amino acids in <i>Saccharomyces cerevisiae</i> ," <u>Microbiol Mol Biol Rev.</u> 61(4):503-532 (1997).	

EXAMINER WEST21879336 1 328342-000066	DATE CONSIDERED
---	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

	341.	Tomb, et al., "The complete genome sequence of the gastric pathogen <i>Helicobacter pylori</i> ," <i>Nature</i> 388(6642):539-547 (1997).	
	342.	Trotter, et al., "A genetic screen for aminophospholipid transport mutants identifies the phosphatidylinositol 4-kinase, STT4p, as an essential component in phosphatidylserine metabolism," <i>J. Biol. Chem.</i> 273(21):13189-13196 (1998).	
	343.	Uetz, et al., "A comprehensive analysis of protein-protein interactions in <i>Saccharomyces cerevisiae</i> ," <i>Nature</i> 403(6770):623-627 (2000).	
	344.	Van den Berg, "ACS2, a <i>Saccharomyces cerevisiae</i> gene encoding acetyl-coenzyme A synthetase, essential for growth on glucose," <i>Eur. J. Biochem.</i> 231(3):704-713 (1995).	
	345.	Van Dijken, et al., "Alcoholic fermentation by 'non-fermentative' yeasts," <i>Yeast</i> 2(2):123-127 (1986).	
	346.	Van Dijken, et al., "Kinetics of growth and sugar consumption in yeasts," <i>Antonie Van Leeuwenhoek</i> , 63(3-4):343-352 (1993).	
	347.	Varma and Palsson, "Metabolic capabilities of <i>Escherichia coli</i> . II: Optimal Growth Patterns," <i>J. Theor. Biol.</i> 165:503-522 (1993).	
	348.	Varma and Palsson, "Metabolic capabilities of <i>Escherichia coli</i> : I. Synthesis of Biosynthetic Precursors and Cofactors," <i>J. Theor. Biol.</i> 165:477-502 (1993).	
	349.	Varma, et al., "Metabolic Flux Balancing: Basic Concepts, Scientific and Practical Use," <i>Biotechnology</i> 12:994-998 (1994).	
	350.	Varma and Palsson, "Parametric sensitivity of stoichiometric flux balance models applied to wild-type <i>Escherichia coli</i> metabolism," <i>Biotechnol. Bioeng.</i> 45(1):69-79 (1995).	
	351.	Varma, et al., "Biochemical Production Capabilities of <i>Escherichia coli</i> ," <i>Biotechnol. Bioeng</i> 42(1):59-73 (1993).	
	352.	Varma, et al., "Stoichiometric Interpretation of <i>Escherichia coli</i> Glucose Catabolism Under Various Oxygenation Rates," <i>Appl Environ Microbiol</i> , 59(8):2465-2473 (1993).	
	353.	Varma, et al., Predictions for Oxygen Supply Control to Enhance Population Stability of Engineered Production Strains," <i>Biotechnol. Bioeng.</i> 43(4):275-285 (1994).	
	354.	Varner, "Large-scale prediction of phenotype: concept," <i>Biotech. Bioeng.</i> 69(6):664-678 (2000).	
	355.	Vaseghi, et al., "In vivo Dynamics of the pentose phosphate pathway in <i>Saccharomyces cerevisiae</i> ," <i>Meta Engin.</i> 1:128-140 (1999).	
	356.	Velculescu, et al., "Analysing uncharted transcriptomes with SAGE," <i>Trends Genet</i> 16(10):423-425 (2000).	
	357.	Venter, et al., "Shotgun sequencing of the human genome," <i>Science</i> 280(5369):1540-1542 (1998).	
	358.	Verduyn, "Physiology of yeasts in relation to biomass yields," <i>Antonie Van Leeuwenhoek</i> 60(3-4):325-353 (1991).	
	359.	Verduyn, et al., "A theoretical evaluation of growth yields of yeasts," <i>Antonie Van Leeuwenhoek</i> , 59(1):49-63 (1991).	

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
--	------------------------

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

360.	Verduyn, et al., "Energetics of <i>Saccharomyces cerevisiae</i> in anaerobic glucose-limited chemostat cultures," <i>J. Gen. Microbiol.</i> 136:405-412 (1990).	
361.	Vo, et al., "Reconstruction and functional characterization of the human mitochondrial metabolic network based on proteomic and biochemical data," <i>J. Biol. Chem.</i> 279(38):39532-39540 (2004).	
362.	Wang, et al., "Computer-aided baker's yeast fermentations," <i>Biotechnol. Bioeng.</i> 19(1):69-86 (1977).	
363.	Wang, et al., "Computer Control of Bakers' Yeast Production," <i>Biotechnol. Bioeng.</i> 21:975-995 (1979).	
364.	Waterston and Sulston, "The Human Genome Project: reaching the finish line," <i>Science</i> 282(5386):53-54 (1998).	
365.	Wen, et al., "Large-scale temporal gene expression mapping of central nervous system development," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 95(1):334-339 (1998).	
366.	Wiback and Palsson, "Extreme pathway analysis of human red blood cell metabolism," <i>Biophys. J.</i> 83:808-818 (2002).	
367.	Wieczorko, et al., "Concurrent knock-out of at least 20 transporter genes is required to block uptake of hexoses in <i>Saccharomyces cerevisiae</i> ," <i>FEBS Lett.</i> 464(3):123-128 (1999).	
368.	Wills and Melham, "Pyruvate carboxylase deficiency in yeast: a mutant affecting the interaction between the glyoxylate and Krebs cycles," <i>Arch. Biochem. Biophys.</i> 236(2):782-791 (1985).	
369.	Wingender, et al., "The TRANSFAC system on gene expression regulation," <i>Nucleic Acids Res.</i> 29(1):281-283 (2001).	
370.	Winzler, et al., "Functional characterization of the <i>S. cerevisiae</i> genome by gene deletion and parallel analysis," <i>Science</i> 285(5429):901-906 (1999).	
371.	Xie and Wang, "Energy Metabolism and ATP Balance in Animal Cell Cultivation Using a Stoichiometrically Based Reaction Network," <i>Biotech. Bioeng.</i> 52:591-601 (1996).	
372.	Xie and Wang, "Material Balance Studies on Animal Cell Metabolism Using a Stoichiometrically Based Reaction Network," <i>Biotech. Bioeng.</i> 52:579-590 (1996).	
373.	Xie and Wang, "Integrated Approaches to the Design of Media and Feeding Strategies for Fed-Batch Cultures of Animal Cells," <i>Trends Biotechnol.</i> 15(3):109-113 (1997).	
374.	Yamada, et al., "Effects of common polymorphisms on the properties of recombinant human methylenetetrahydrofolate reductase," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 98(26):14853-14858 (2001).	
375.	Zigova, "Effect of RQ and pre-seed conditions on biomass and galactosyl transferase production during fed-batch culture of <i>S. cerevisiae</i> BT150," <i>J. Biotechnol.</i> 80(1):55-62 (2000).	
376.	Zweytick, et al., "Biochemical characterization and subcellular localization of the sterol C-24(28) reductase, <i>erg4p</i> , from the yeast <i>saccharomyces cerevisiae</i> ," <i>FEBS Lett.</i> 470(1):83-87 (2000).	

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
--	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. UCSD1330-2 (066662-0023)	SERIAL NO. 10/087,441
	APPLICANT Palsson, Bernhard et al.	
	FILING DATE March 1, 2002	GROUP 1631

377.	Varner and Ramkrishna, "Mathematical Models of Metabolic Pathways," <i>Curr Opin Biotechnol</i> 10(2):146-150 (1999).	
378.	Wong, et al., "Mathematical Model of the Lac Operon: Inducer Exclusion, Catabolite Repression, and Diauxic Growth on Glucose and Lactose," <i>Biotechnol. Prog.</i> 13(2):132-143 (1997).	
379.	URL wit.mcs.anl.gov/WIT/, What is There (WIT).	
380.	URL affymetrix.com/index.affx, Affymetrix protocol for E. Coli Antisense Genome (As printed on 09-18-2009).	
381.	URL affymetrix.com/products/arrays/specific/ecoli antisense.affx. (As printed on 09-18-2009).	
382.	URL asap.ahabs.wisc.edu/annotation/php/logon.php, The ASAP website. (As printed on 09-17-2009).	
383.	URL ca.expasy.org/sprot/, protein database SWISS—PROT. (As printed on 06-15-2009).	
384.	URL chem.qmw.ac.uk/iubmb/enzyme/, Enzyme Nomenclature database maintained by G.P. Moss of Queen Mary and Westfield College in the United Kingdom. (As printed on 09-18-2009).	
385.	URL dchip.org, dChip software. (As printed on 06-15-2009).	
386.	URL Dictionary.com pgs 1-2 (2004), Matrix. (As printed on 11-12-2004).	
387.	URL ecocyc.panbio.com/ecocyc/ecocyc.html, EcoCyc. (As printed on 09-18-2009).	
388.	URL enzobio.com/lifesci_index.htm, Enzo BioArray Terminal Labeling Kit protocol. (As printed on 09-18-2009).	
389.	URL genetics.wisc.edu/, <i>E. coli</i> Genome Project at the University of Wisconsin. (As printed on 09-18-2009).	
390.	URL genome.ad.jp/kegg/, Kyoto Encyclopedia of Genes and Genomes database (KEGG). (As printed on 09-18-2009).	
391.	URL Genome.jp Website, KEGG Bacillus subtilis, 1-7 (2005).	
392.	URL genome.tugraz.at/Software/Genesis/Description.html, "Genesis" software. (As printed on 09-18-2009)	
393.	URL genome-www.stanford.edu/~sherlock/cluster.html, "XCluster" software. (As printed on 09-18-2009).	
394.	URL igweb.integratedgenomics.com/MPW/, Metabolic pathways database (MPW). (As printed on 09-18-2009).	
395.	URL integratedgenomics.com, ERGO from Integrated Genomics. (As printed on 09-18-2009).	
396.	URL mips.gsf.de/proj/yeast/pathways/ on 06/06/08, MIPS, website: Comprehensive Yeast Genome Database – Pathways (1998). (As printed on 09-18-2009)	
397.	URL ncbi.nlm.gov, Genbank genome database. (As printed on 06-15-2009).	
398.	URL ncbi.nlm.nih.gov/entrez/query.fcgi?db=Genome, The NCBI Entrez Genome database (As printed on 09-18-2009).	

EXAMINER WEST21879336.1 328342-000066	DATE CONSIDERED
--	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

